



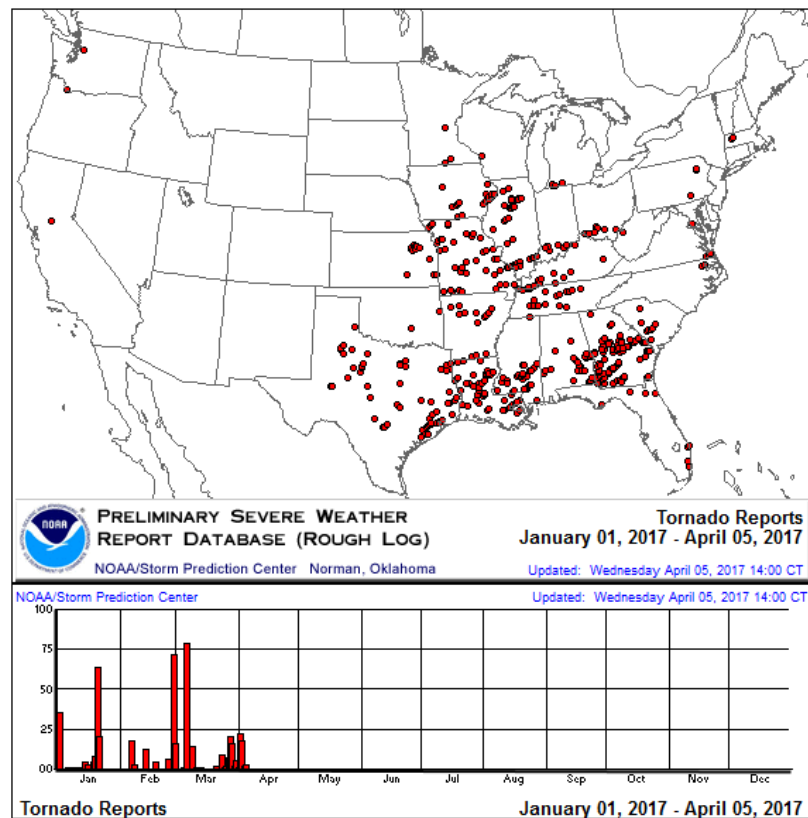
Water and Climate Update

April 6, 2017

The Natural Resources Conservation Service produces this weekly report using data and products from the [National Water and Climate Center](#) and other agencies. The report focuses on seasonal snowpack, precipitation, temperature, and drought conditions in the U.S.

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2017 tornado count at near record pace



The number of tornadoes touching down across the U.S. are at a near record pace for 2017. The [NWS records starting in 2005](#) report the number of tornadoes are the second highest as of April 5. 486 tornadoes have touched down thus far, with 46 occurring in just the first five days of April. Severe storms have been sweeping across the country with tornadoes reported from the Gulf Coast and southern Florida to the northern states. The severe storms have also produced damaging winds and hail. Rare tornadoes have also been reported in the far West.

More News:

[Georgia leads country in number of tornadoes for 2017](#)

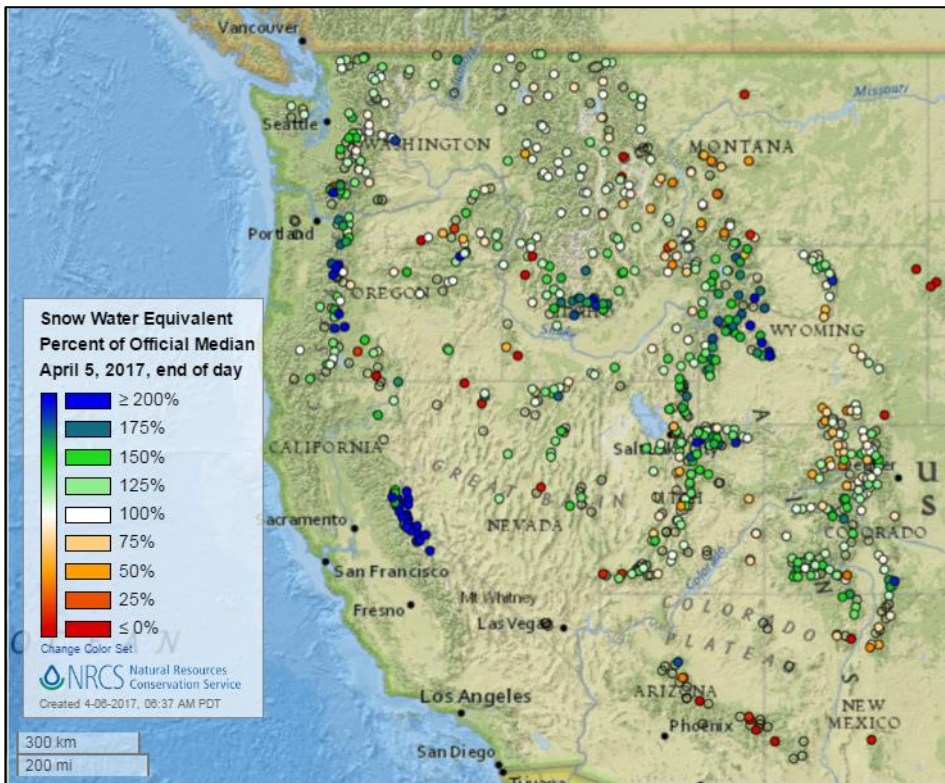
[Tornadoes striking at record pace in US so far this year](#)

[Tornadoes, Damages Reported as Severe Weather Outbreak Batters the Southeast](#)

[US Tornado Count Doubles, Heads Toward Record](#)

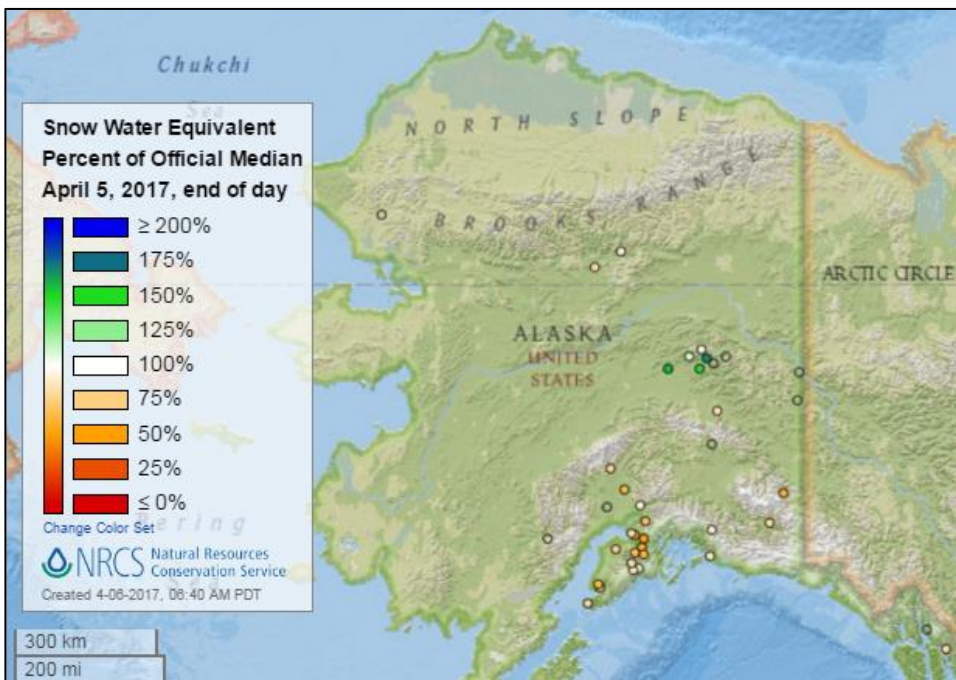
Snow

Current Snow Water Equivalent, NRCS SNOTEL Network



[Snow water equivalent percent of median map](#)

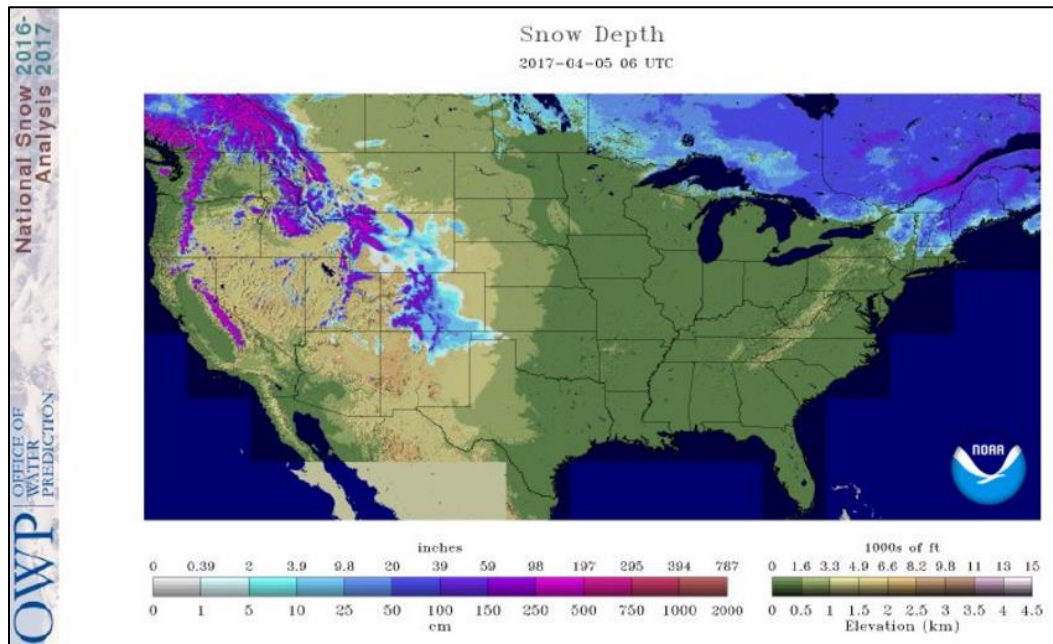
See also:
[Snow water equivalent values \(inches\) map](#)



[Alaska snow water equivalent percent of median map](#)

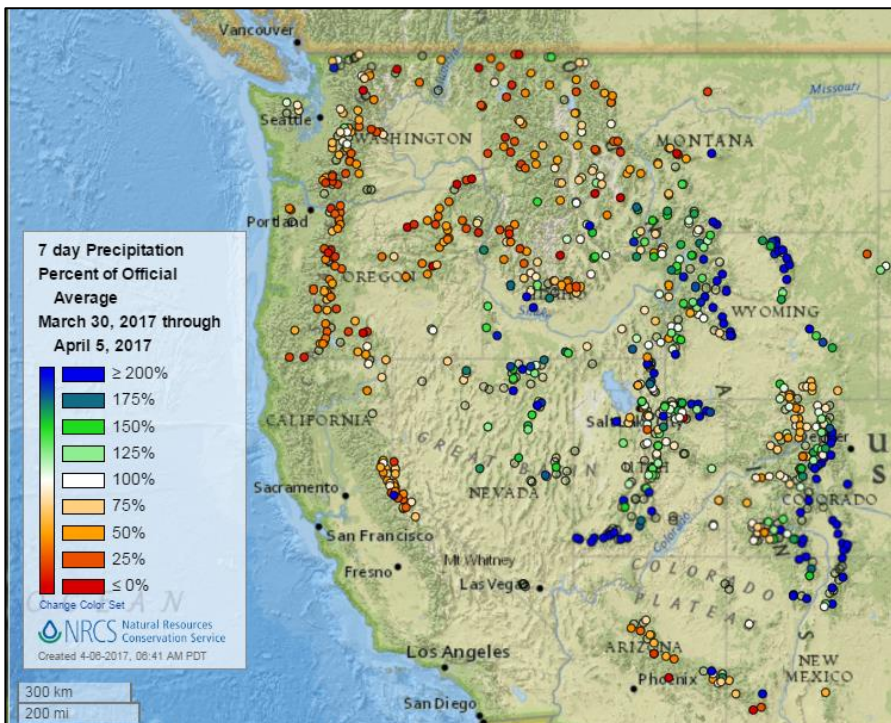
See also:
[Alaska snow water equivalent values \(inches\) map](#)

Current Snow Depth, National Weather Service (NWS) Networks



Precipitation

Last 7 Days, Western Mountain Sites (NRCS SNOTEL Network)



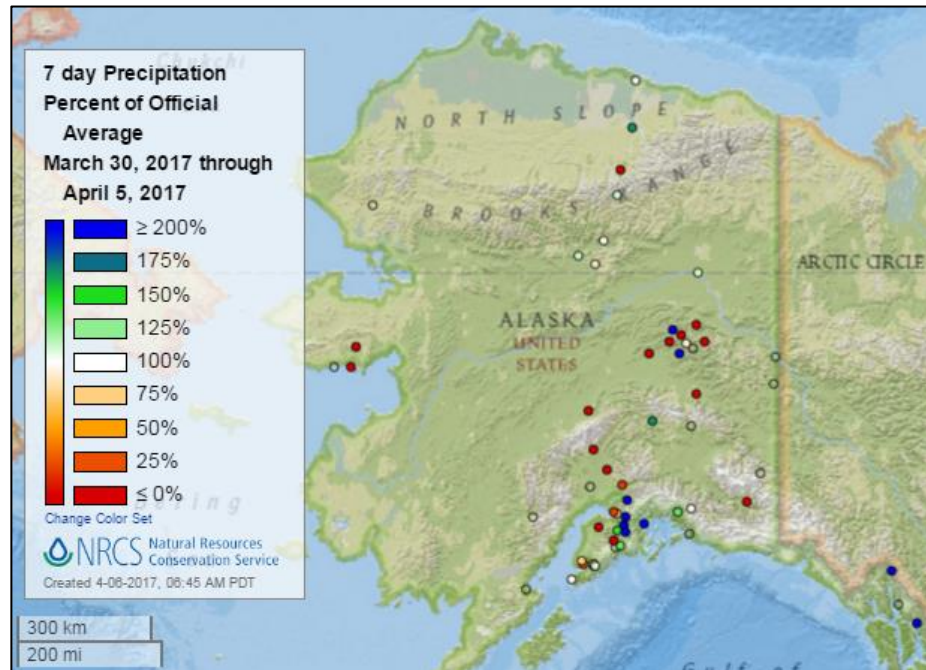
[7-day precipitation percent of average map](#)

See also:
[7-day total precipitation values \(inches\) map](#)

Water and Climate Update

[Alaska 7-day precipitation percent of average map](#)

See also: [Alaska 7-day total precipitation values \(inches\) map](#)



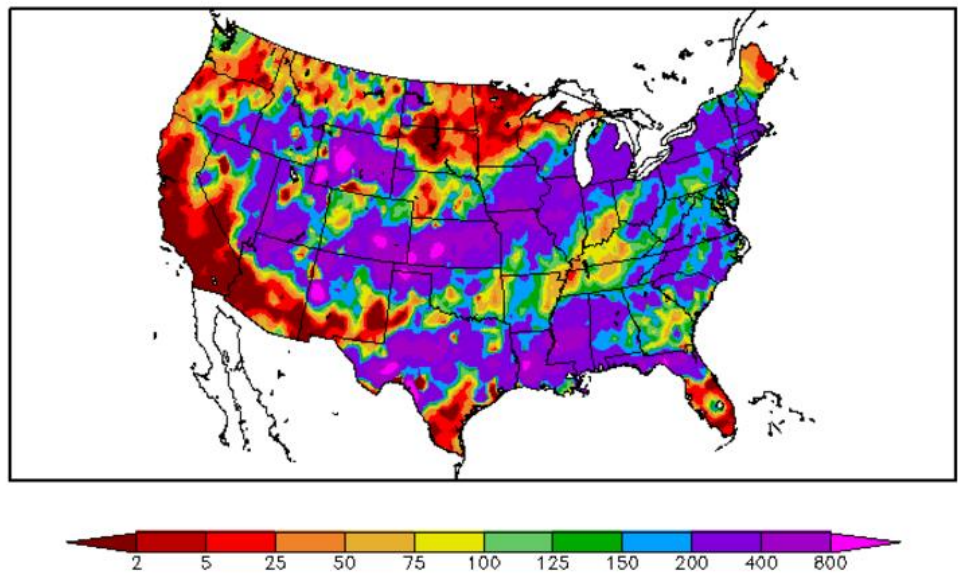
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day precipitation percent of normal map](#) for the continental U.S.

See also: [7-day total precipitation values \(inches\) map](#)

Percent of Normal Precipitation (%)
3/30/2017 - 4/5/2017



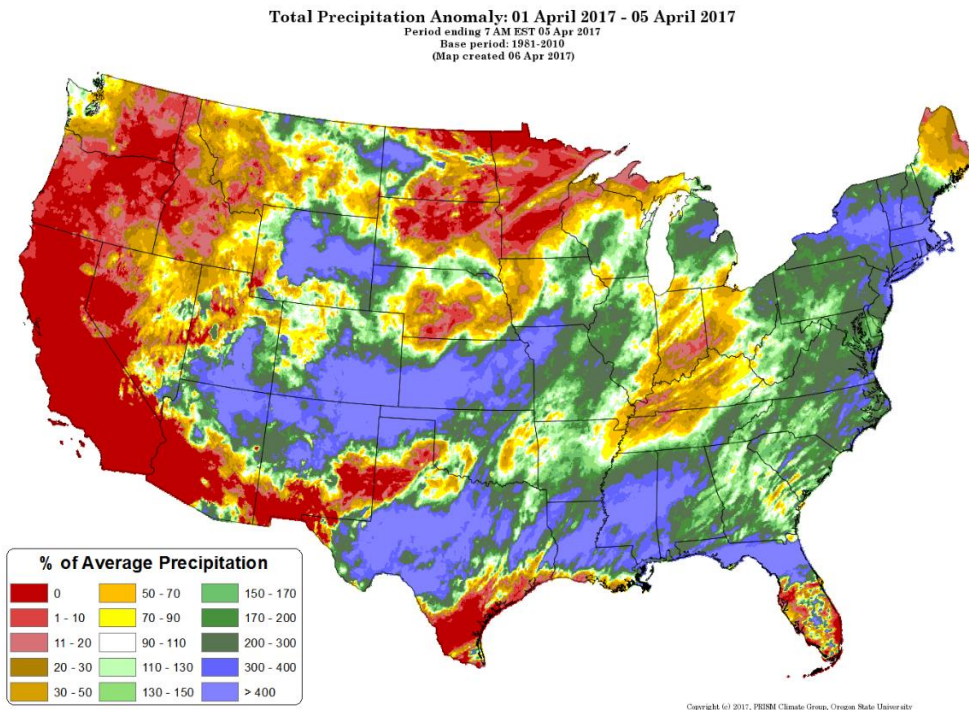
Generated 4/6/2017 at HPRCC using provisional data.

Regional Climate Centers

Water and Climate Update

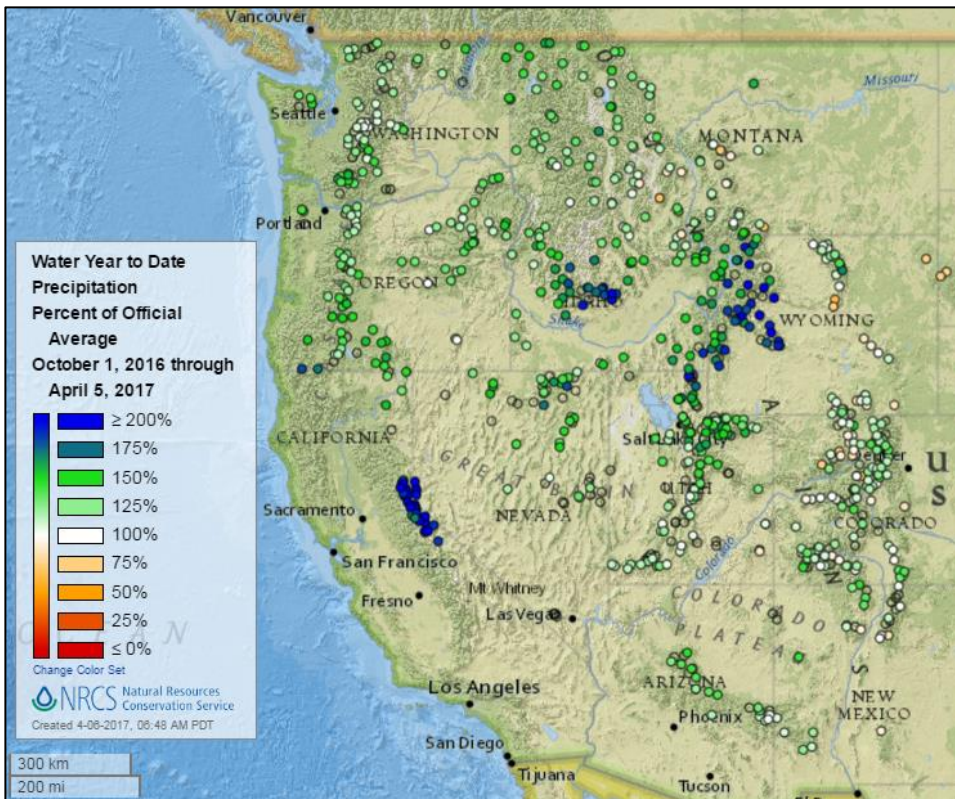
Month-to-Date, All Available Data Including SNOTEL and NWS Networks

Source: PRISM



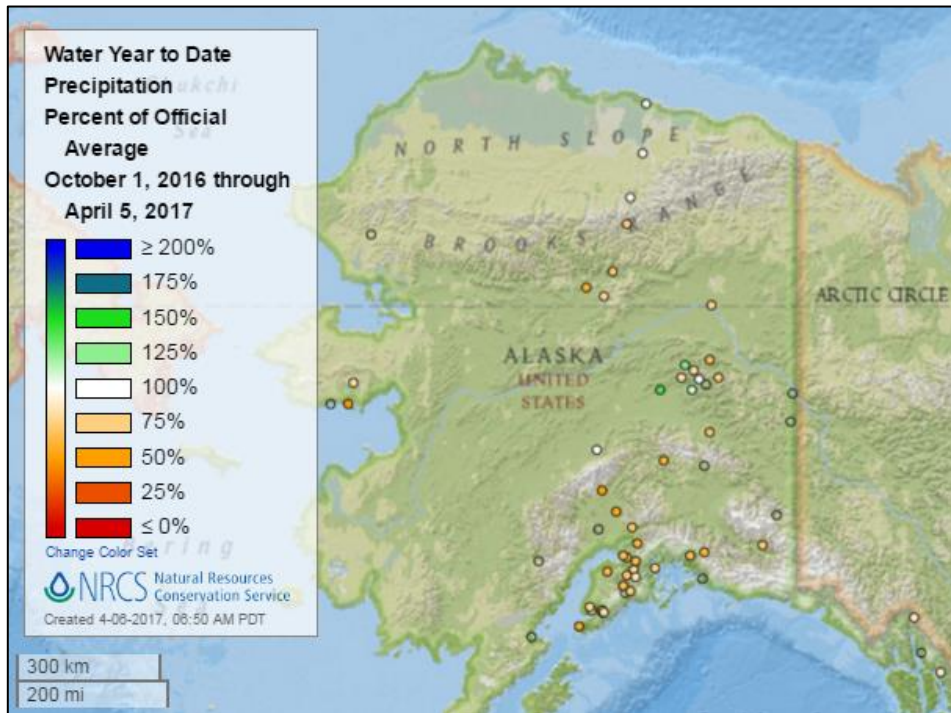
[Month-to-date national precipitation percent of average map](#)

Water Year-to-Date, Western Mountain Sites (NRCS SNOTEL Network)



[2017 water year-to-date precipitation percent of average map](#)

[See also: 2017 water year-to-date precipitation values \(inches\)](#)



[Alaska 2017 water year-to-date precipitation percent of average map](#)

See also: [Alaska 2017 water year-to-date precipitation values \(inches\) map](#)

Temperature

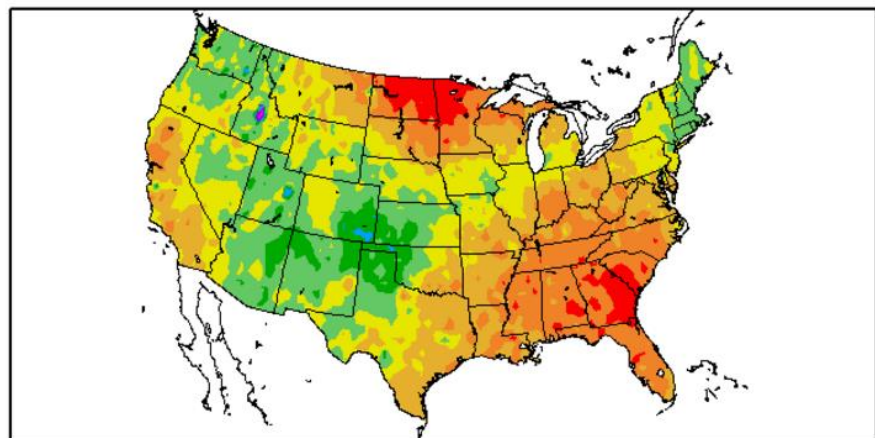
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day temperature anomaly map](#) for the continental U.S.

See also: [7-day temperature \(° F\) map](#)

Departure from Normal Temperature (F)
3/30/2017 – 4/5/2017



Generated 4/6/2017 at HPRCC using provisional data.

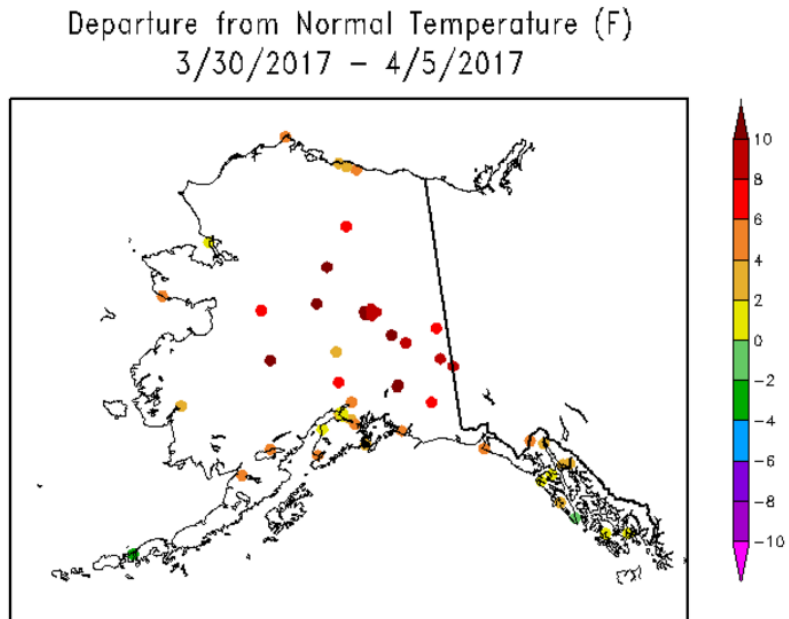
Regional Climate Center:

Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day temperature anomaly map](#) for Alaska.

See also: [7-day temperature \(° F\) map](#)



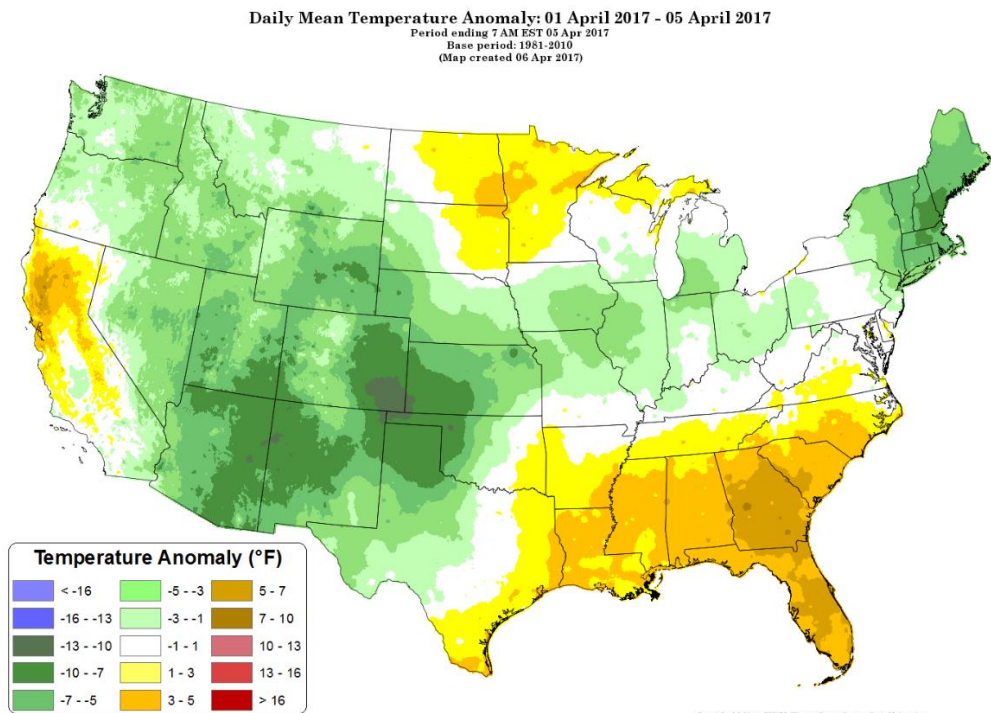
Generated 4/6/2017 at HPRCC using provisional data.

Regional Climate Centers

Month-to-Date, All Available Data Including SNOTEL and NWS Networks

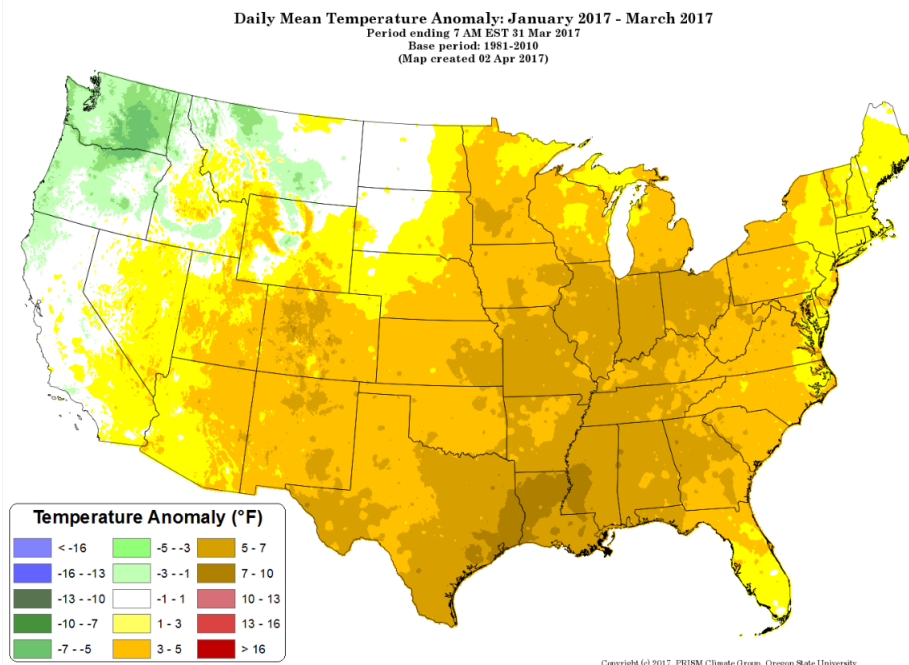
Source: PRISM

[Month-to-date national daily mean temperature anomaly map](#)



Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

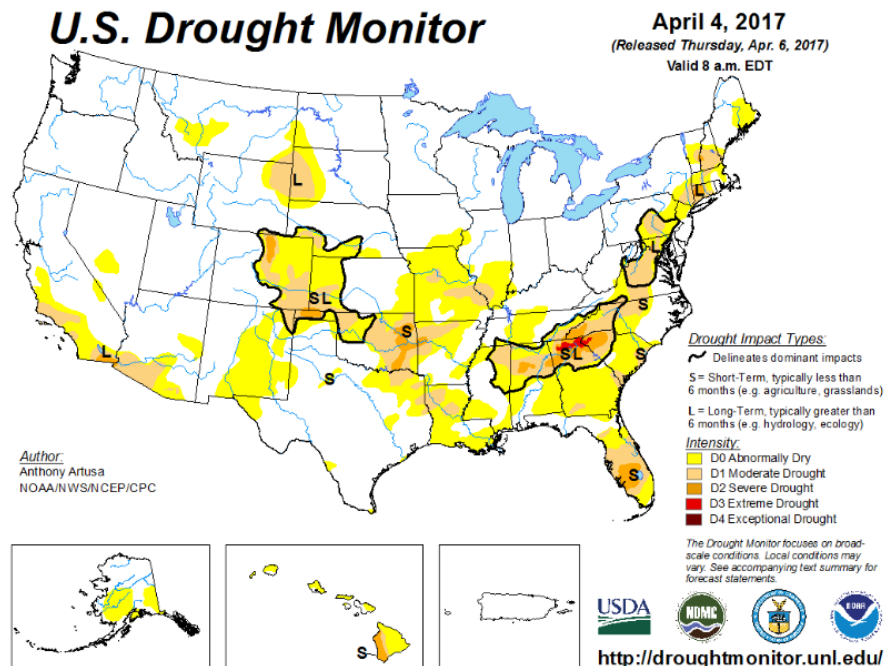


[January through March 2017 daily mean temperature anomaly map](#)

Drought

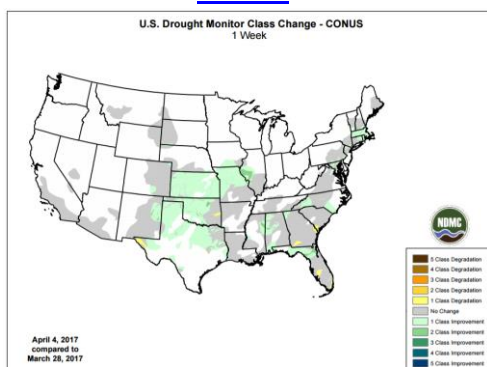
[U.S. Drought Monitor](#) See map below.

[U.S. Drought Portal](#) Comprehensive drought resource.

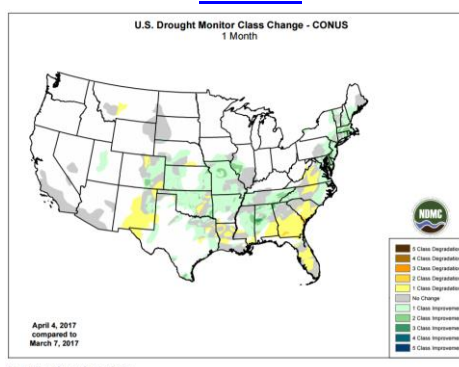


Changes in Drought Monitor Categories over Time

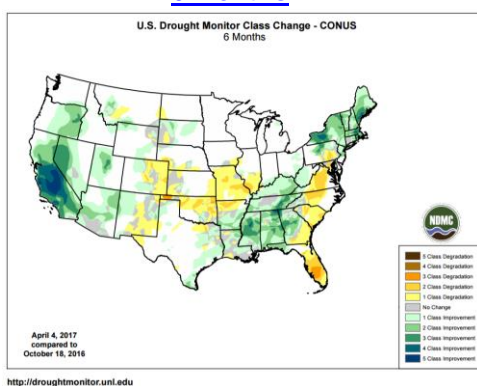
1 Week



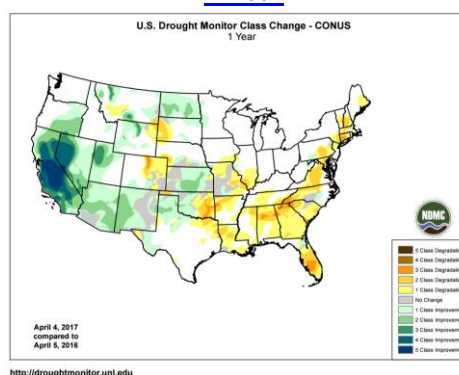
1 Month



6 Months



1 Year



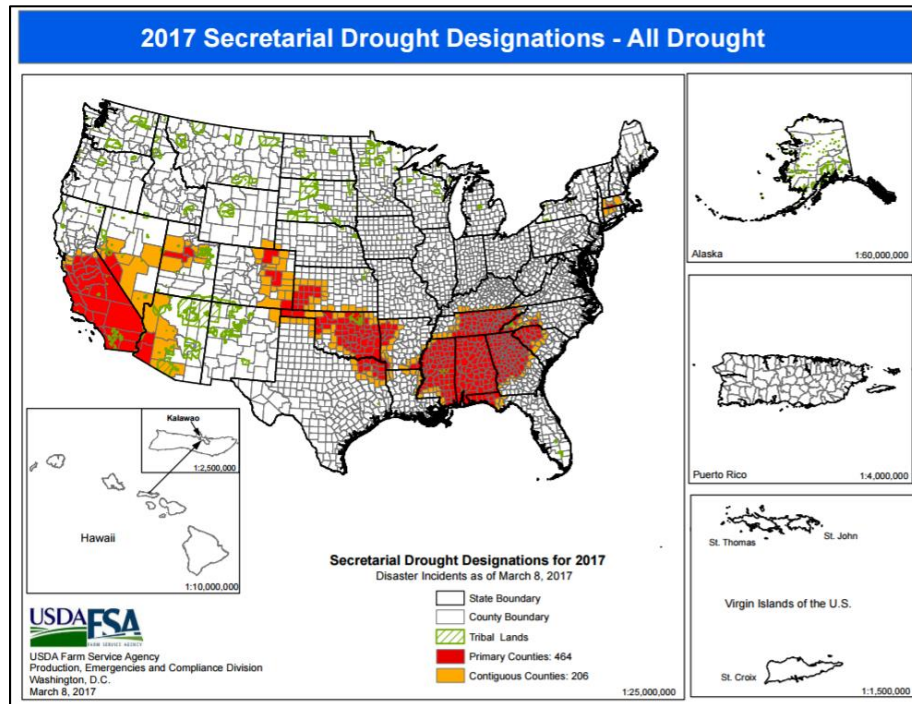
Changes in drought conditions over the last 12 months

Current National Drought Summary, April 4, 2017

Author: Anthony Artusa, NOAA/NWS/NCEP/CPC

"During the past 7-days, an active weather pattern ensued across the contiguous United States. Larger, contiguous areas of heavy precipitation (greater than 2 inches) were observed from Kansas east-northeastward across the Midwest to Lower Michigan, the Lower Mississippi Valley and Gulf Coast area, parts of the Appalachians and adjacent foothills, portions of the Northeast and mid-Atlantic, and the Pacific Northwest. Light precipitation (less than 0.5-inch) was observed across most of California and the Southwest, leeward slopes of the Cascades in Washington and Oregon, the north-central CONUS, eastern Maine, and central and southern Florida. Moderate precipitation (0.5-2.0 inches) was generally reported elsewhere. During the past week, there have been numerous severe weather reports, primarily across the southeastern quadrant of the CONUS, but also overspreading the Midwest and Ohio Valley. After some consideration, it was decided that a few small changes should be made across southern and eastern Georgia and adjacent counties in South Carolina, which have seen increasing dryness and well above-normal temperatures this past week. Once the storm currently influencing this area departs, there will be more time available for a more realistic reassessment of conditions next week."

USDA 2017 Secretarial [Drought Designations](#)

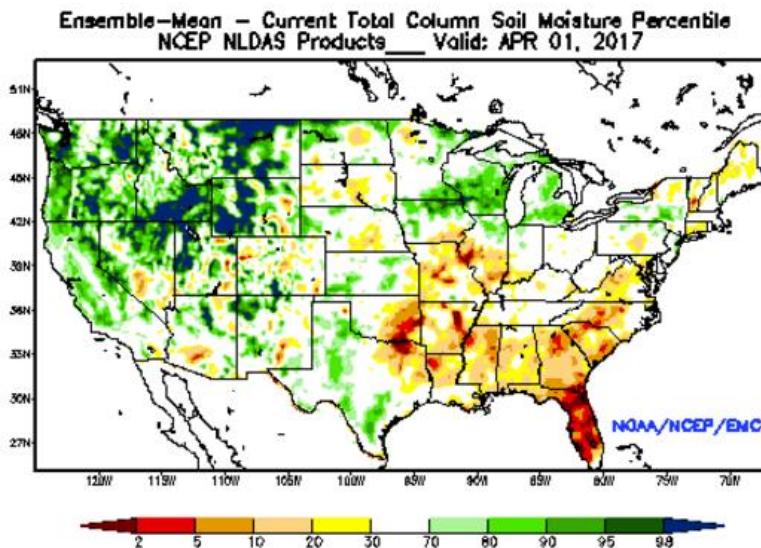


Highlighted Drought Resources

- [Drought Impact Reporter](#)
- [Quarterly Regional Climate Impacts and Outlook](#)
- [U.S. Drought Portal Indicators and Monitoring](#)
- [U.S. Population in Drought, Weekly Comparison](#)
- [USDA Disaster and Drought Information](#)

Other Climatic and Water Supply Indicators

Soil Moisture



[Modeled soil moisture percentiles](#) as of April 1, 2017.

Reservoir Storage

[National Water and Climate Center Reservoir Data](#)

U.S. Bureau of Reclamation Hydromet Tea Cup Reservoir Depictions:

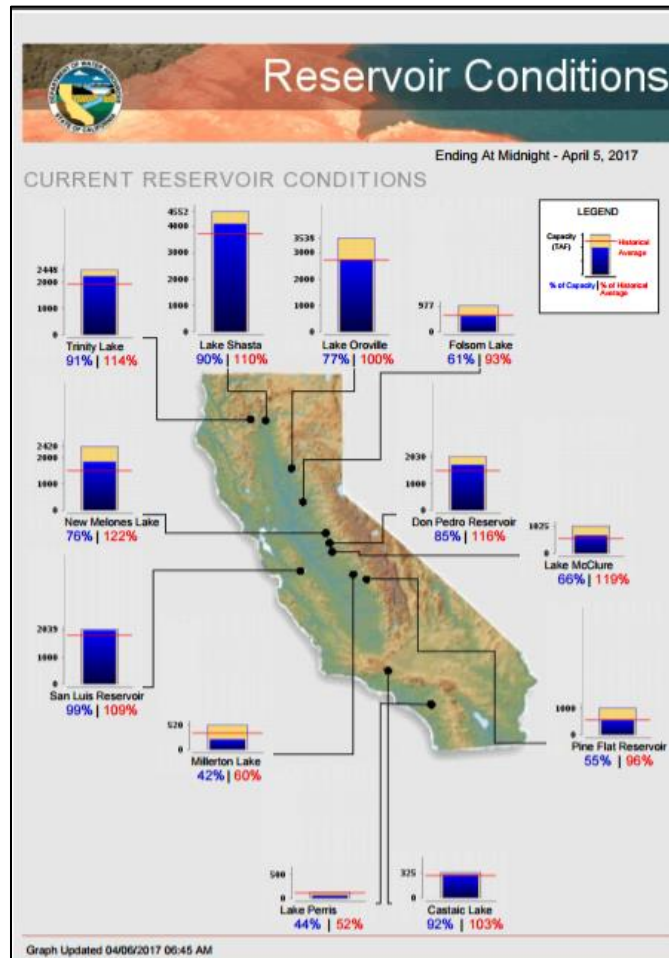
[Upper Colorado](#)

[Pacific Northwest/Snake/Columbia](#)

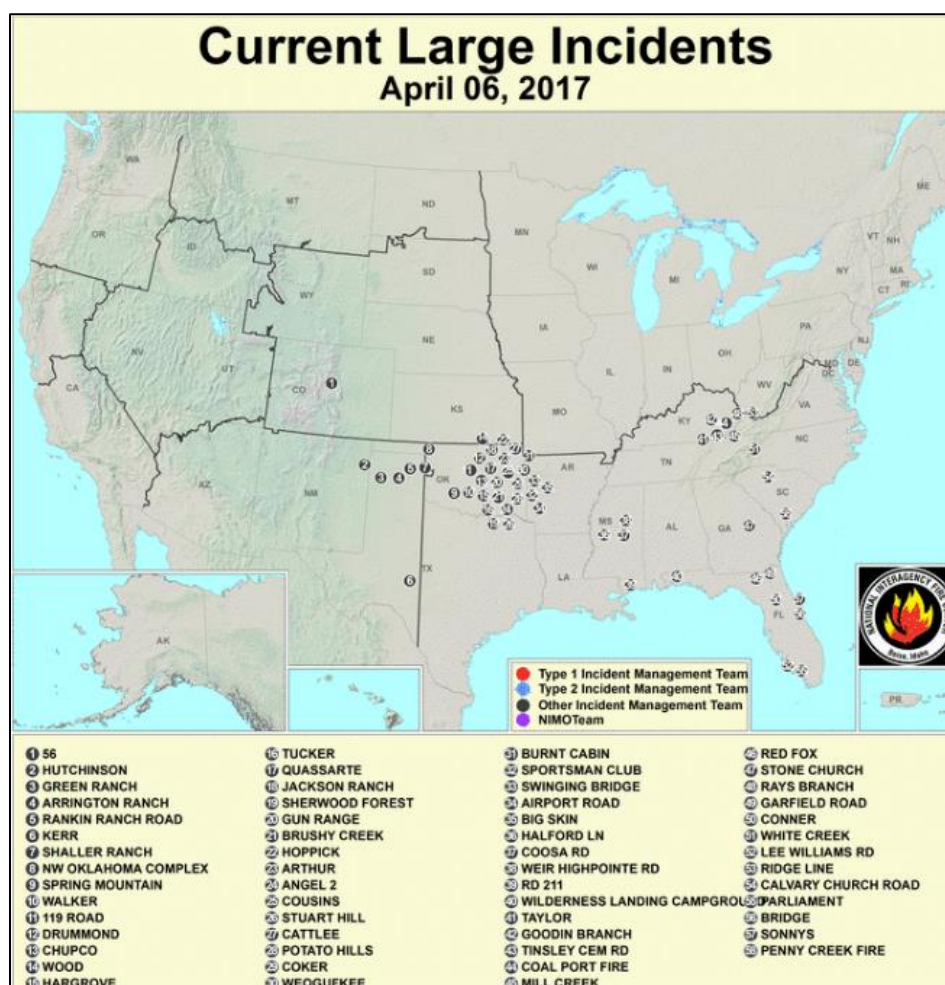
[Sevier River Water, Utah](#)

[Upper Missouri, Kansas, Oklahoma, Texas](#)

[California Current Reservoir Conditions](#)



Wildfires: [USDA Forest Service Active Fire Mapping](#)



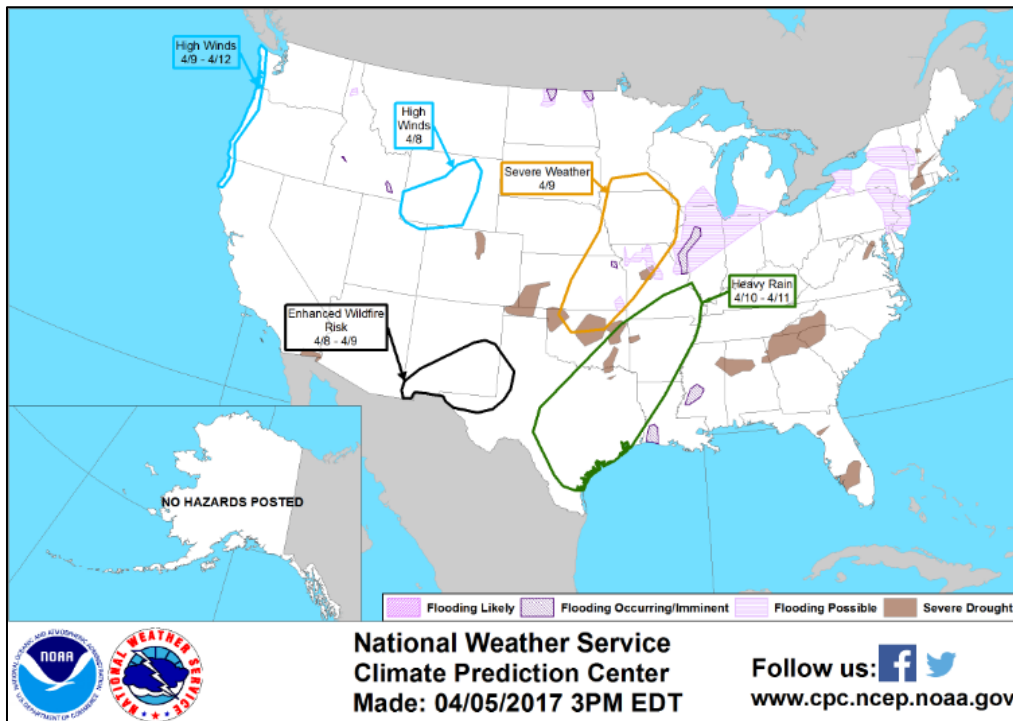
Short- and Long-Range Outlooks

Agricultural Weather Highlights

Author: Eric Luebehusen, Agricultural Meteorologist, USDA/OCE/WAOB

[National Outlook, April 6, 2017](#): “A storm centered this morning over the lower Great Lakes will continue to move northeastward, producing rain and wet snow across the northeastern quarter of the nation. Locally heavy showers and thunderstorms — some severe — are likely farther east in the warm, humid, unstable air across the Mid-Atlantic States. In the storm’s wake, dry, increasingly warm weather will spread eastward from the Great Plains, reaching the eastern half of the nation by the weekend. Out west, renewed Pacific storminess will generate heavy rain and mountain snow, with 5-day precipitation totals in the Sierra Nevada approaching 6 inches (liquid equivalent), although the Southwest will remain dry. The NWS 6- to 10-day outlook for April 11 – 15 calls for warmer-than normal weather across most of the nation, with pockets of below-normal temperatures confined to Texas’ Big Bend Region and the Pacific Northwest. Meanwhile, drier-than-normal conditions are expected from the central Rockies eastward through the Corn Belt and Northeast, with wetter-than-normal weather forecasted for the western Gulf Coast States and from the central and northern Pacific Coast into the upper Midwest.”

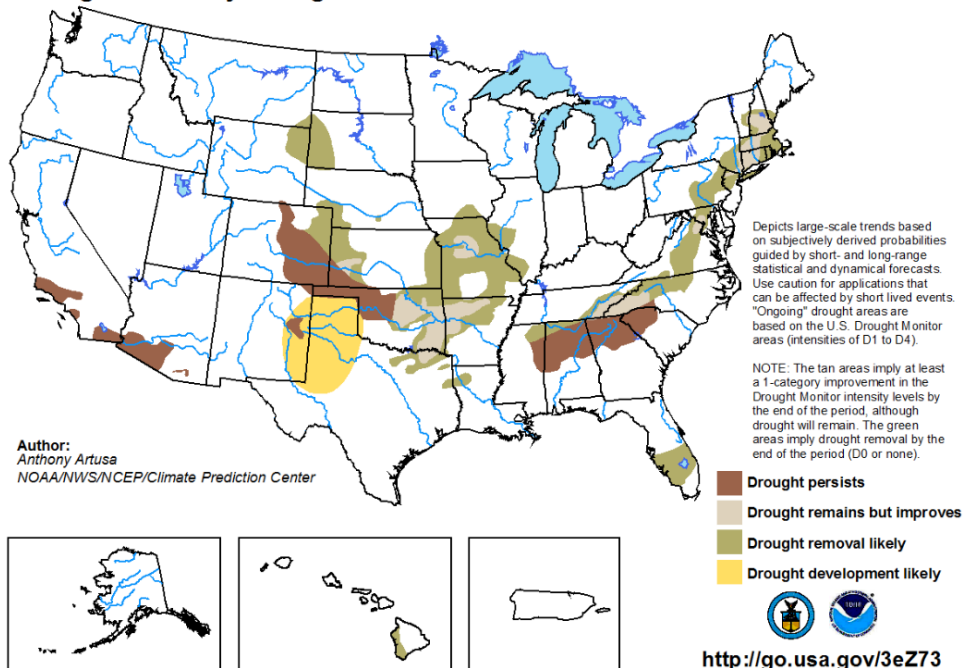
NWS Climate Prediction Center Weather Hazard Outlook: [April 8 – 12, 2017](#)



NWS Seasonal Drought Outlook: [March 16 - June 30, 2017](#)

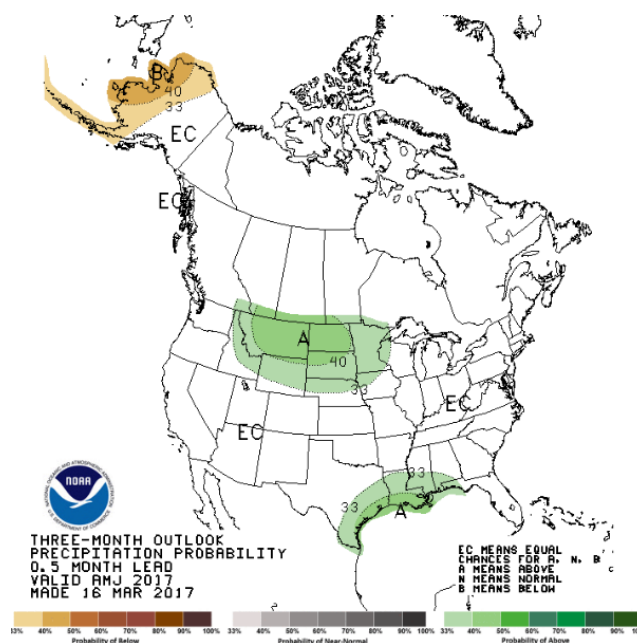
U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period

Valid for March 16 - June 30, 2017
Released March 16, 2017



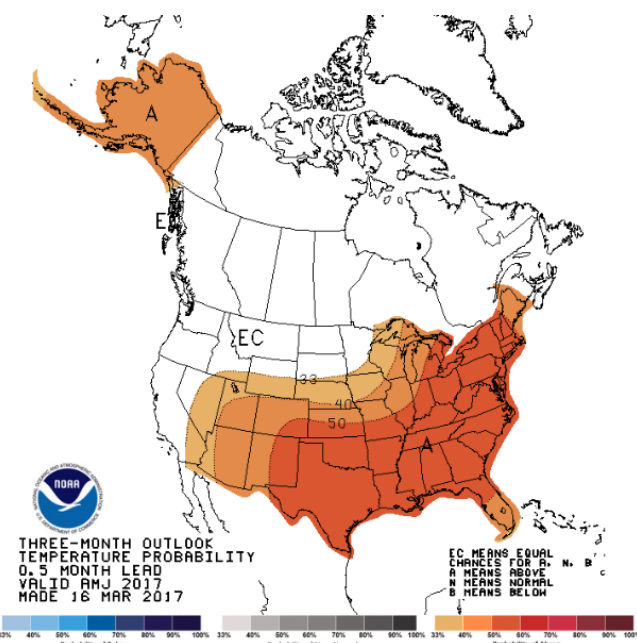
NWS Climate Prediction Center 3-Month Outlook

Precipitation



[April-May-June \(AMJ\) 2017 precipitation outlook summary](#)

Temperature



[April-May-June \(AMJ\) 2017 temperature outlook summary](#)

More Information

The NRCS [National Water and Climate Center](#) publishes this weekly report. We welcome your feedback. If you have questions or comments, please [contact us](#).